



PICE Qatar NEWSLETTER



The Official Publication of the Philippine Institute of Civil Engineers – Qatar Chapter

www.piceqatar.com

MAY 2019 ISSUE



May 24, 2019—PICE Qatar 12th Founding Anniversary at Qatar Bowling Centre

Photo Credits: Johnson Sanchez

Billiards (Women)

Champion: Aileen Buenaflore

1st Runner Up: Marie Elzen De Leon

Chess (Men):

Champion: Jasper Javier

1st Runner Up: Robel Villanueva

2nd Runner Up: Ricardo Bognot

3rd Runner Up: Pedro Espinas

The awarding of winners for the sports conducted and including the winners of the 2019 Inter-Color Basketball League (ICBL), President's Cup - 4th Season, Bowling Tournament, Lawn Tennis Tournament, and Badminton Tournament takes place at the last part of the event.

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PICE QATAR 12TH FOUNDING ANNIVERSARY CELEBRATION

Jerick Lising

Philippine Institute of Civil Engineers – Qatar Chapter celebrates its 12th Founding Anniversary last May 24, 2019 at Qatar Bowling Center, a day before its actual Foundation Day (May 25) and it was attended by active fellow members together with their families and friends. A day of fun-filled sporting activities that was organized by the Committee on Sports, Leisure and Recreation under the leadership of the energetic Sergeant-At-Arms, Engr. Michelle Revillosa.

Different sporting activities was conducted during the event and the winners as follows:

Table Football:

Champion: Nicole Nacario and Fatima Nacario

1st Runner Up: Ausford Acera and Thom De Guzman

2nd Runner Up: Michelle Revillosa and Sally Villanueva

Table Tennis (Men)

Champion: Henry Maglasang

1st Runner Up: Aushford Acera

2nd Runner Up: John Tañafranca

3rd Runner Up: Alan Nacario

Table Tennis (Women)

Champion: Fatima Nacario

1st Runner Up: Vanessa See

2nd Runner Up: Nicole Nacario

Darts (Men)

Champion: Edgar Domingcil

1st Runner Up: Raymond Roldan

Darts (Women)

Champion: Michelle Revillosa

1st Runner Up: Sally Villanueva

Billiards (Men)

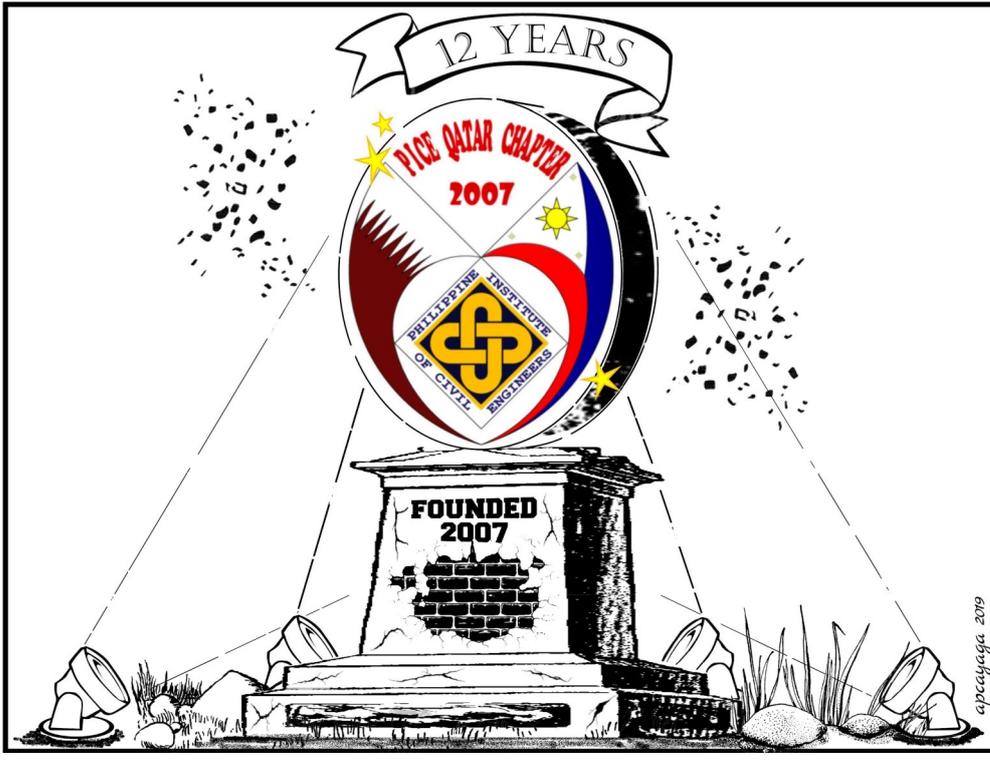
Champion: Anthony Patino

1st Runner Up: Emilio Manalo

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OPINION



PICE QATAR THROUGH THE YEARS

Meeting of the Founding Members was fate, becoming friends were their choice... to borrow it from James Blunt famous words simply described how it all began in 2007.

The story of how the organization started had been told countless times and many witnessed how from just a group of young Civil Engineers, the organization grew to more than 3,000 members in over 12 years.

Through the years, we have been instrumental in constructing Green School Buildings and other notable community projects; extended support to distressed kababayans here in Qatar and back home; instrumental in producing Civil Engineering board passers through the Special Professional Licensure Examination and won accolades – Best International Chapter for two consecutive years.

In its 12 years of existence, the organization has steadily climbed to its peak. However, a lull is becoming prevalent and has slowly affected the organization. Though we continue to hold various activities, what started as a pinch is now being felt and slowly becoming a norm.

“Change is often desirable, frequently necessary and seldom embraced, but always inevitable.”

Although the foundation of the organization was built on bedrock, there must come a time that we need to reconstruct and strengthen the very pedestal that we stand on or risk further damage and injury if we do not



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recognize that a problem does exist.

After you've done things the same way over and over, we should look at it carefully with an open mind and ask ourselves if the policies and strategies being implemented are still relevant.

There are indeed a lot of challenges, but most can be completely dealt with through patience, understanding and getting members really involved. Change is often desirable, frequently necessary and seldom embraced, but always inevitable.

As we celebrate another Foundation Day, we must understand that it is not an easy task to sustain an organization. But do remember that we did not reach this far by wishing for it... nor hoping for it. We have reached this far by working for it!

THE PRESIDENT'S LOUNGE

Message from the President

Helario S. Amoguis

CEng, ASEAN Eng.
The 12th President of PICE Qatar Chapter



May is a significant month for the PICE Qatar Chapter. It is during this month that we celebrate and commemorate our Chapter's Foundation Day. We give credit to the 25 strong and determined Civil Engineers, who came together 12 years ago, sharing a common interest and vision in promoting the objective of PICE. Today, we have almost 3500 Civil Engineers our membership roster and this number keeps on growing. PICE QATAR after, more than a decade of existence, has made waves through the significant contributions and efforts of our past leaders and continuous support from members.

This year's celebration has been loaded with more sports games that started as early as February 2019. The Foundation day celebration was a huge success with cheerful celebrations that were participated by a significant number of members together with past and present officers. It is my privilege to thank to all the men and women of the chapter who had participated in our 12th year Foundation Day celebration last May 24. 2019 held at Qatar Bowling Center and those who have continuously been supporting our activities and programs in different ways.

Aside from the Foundation Day celebration, please allow me to share with you the following other activities of PICE Qatar for the month of May:

POLO-OWWA Basic Service Assistance to PICE Members

In the next few weeks, PICE Qatar will be assisting our members in accessing the basic service provided by POLO/OWWA. PICE Qatar, a member of the Philippine Professional Organization ("PPO") in Qatar, will collaborate with POLO office in providing convenient service to its member. This will not only be an added service to our members but at the same time aims to help POLO in delivering service to OFWs. Standby for further announcements.

PPO-Q Sports Games:

Ball games organized by the PPO Qatar will officially start next month. Selected members will represent PICE Qatar in different ball games. We can then look forward to very exciting games that will have the intention of fostering unity and camaraderie among other members of the different professional organizations.

SPLE Updates:

This month, COHOPLE Chairman, Engr Bernard De Vera has finalized the list of CE aspirants for the 2019 SPLE and the same has been forwarded to PRC through POLO office. There were 113 members applied to take the SPLE, most of whom are hoping to successfully pass this year's board examination. Refresher course is ongoing until August 2019.

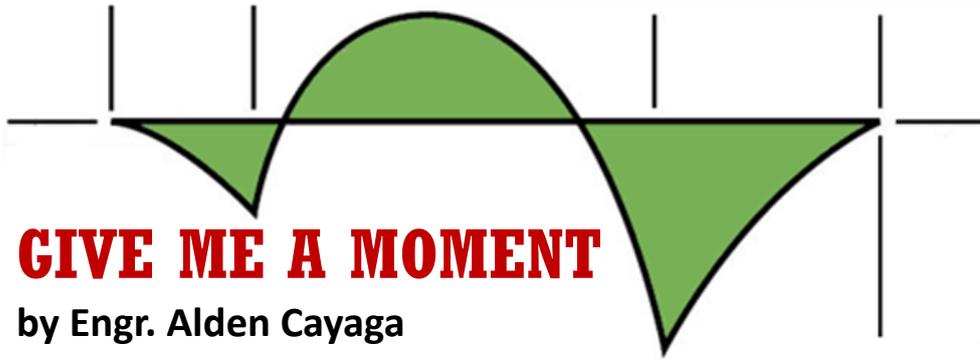
PICE Qatar has been flying and soaring high and will continue to define its existence. We had been known to be an advocate in supporting community-based projects back home and here in Doha as well. For the past several years, PICE Qatar had

funded the design and construction of five green school building projects, a re-roofing of a school destroyed by a typhoon and one deep well project this year. We are also currently maintaining two CE student scholars enrolled in different schools in the Philippines. These are just some of the many reasons that PICE Qatar members should be proud of.

This year Theme: **"CIVIL ENGINEER AT THE FOREFRONT. OF A PROGRESSIVE AND CHALLENGING WORLD"** is timely and appropriate. We've been experiencing challenges that most of us have been affected, one way or another, such as the economic and political events happening around the world. But challenges are meant to be met and hurdled. Challenges are there to strengthen our conviction and not to run us over.

As the leader of the chapter for 2019, it is my hope and prayer that the momentum will be sustained despite all the challenges. PICE Qatar will continue to SOAR HIGH for 2019 and years to come. Let's hope for the best for our beloved chapter and wish all for meaningful days throughout the year.

God Bless PICE Qatar.



GIVE ME A MOMENT

by Engr. Alden Cayaga

The famous playwright, William Shakespeare, during his time did not think that names should matter that much.

In his play tragedy, "Romeo and Juliet" a few lines from Juliet say:

"What's in a name? That which we call a rose

By any other name would smell as sweet."

Nowadays, the name that we build with ourselves really does matter. Even the Japanese go to extreme lengths as performing "seppuku" (the ritual suicide) if their name and honor have been tarnished and dragged into the controversy.

In this month of May, the PICE Qatar Chapter will be celebrating its 12th foundation anniversary.

Through the years, the organization has made a name for itself both locally in the host country - Qatar, and in the Philippines.

Listed below are several of the many notable feathers in its cap that are already a part of its impressive history.

PICE National Chapter Award

- Best International Chapter for Newsletter and Community Service 2017
- Most Outstanding Community Project 2018
- Most Outstanding Newsletter 2018
- Most Outstanding Chapter 2018

Professional Advancement

- International Technical Conference

- Mid-Year Convention and Symposium
- Seminars and Training Workshops
- Plant and Site Visits
- SPLE and MME Reviews
- MME and Advanced Level Engineering Registration Campaigns

“For an organization to prosper, it must evolve and move with the times to attain sustainability and aim to leave a lasting impact on its members and to the community where it belongs.”

Community Service

- Beach Clean-up and Tree-Planting Activities
- Blood Donation Drives
- School Building Projects
- Deep well project
- Outreach Programs
- CE Student Scholarship Program

Other Milestones and Activities

- PPO Pioneer Member Organization
- Sports fest, tournaments and Foundation Day Activities

What's in a NAME?

- Qatar National Sports Day & National Day Activities
 - Philippine Independence Day Activities' Participation
 - Math Whiz Competition
- ... and the list goes on.

But beyond all these recognitions and accomplishments, there are still many things we can't see if we only act as spectators from the stands.

As a member of this esteemed organization, we must always earnestly try to uphold its constitution and by-laws by keeping a tab on how things are being managed. Remember, an organization is only as strong as the commitment of its members to the organization's success.

For an organization to prosper, it must evolve and move with the times to attain sustainability and aim to leave a lasting impact on its members and to the community where it belongs.

We must understand that there are things which are more fundamental than one's name. It is the identity and reputation, the name which represents a group... a name which represents a professional community... a name which is PICE QATAR.

With all these being said, will you as an individual, consider to let others use your name?

Then what should an organization do to continuously protect its reputation and preserve its unique identity?

Think about your answer and it will reveal something about you.

After all, what truly is in a NAME?



Alden Cayaga is a civil-structural engineer by profession. He is secretly an introvert, a former real-time strategy games enthusiast, and a graphics designer wannabe.

He would like to make this column a personal notepad for some odds and ends, tutorials and other tips or DIY projects which he hopes others will find interesting and useful.

FEATURE SECTION

Website Design Contest 2019

Russel Flores

The PICE Qatar website (www.piceqatar.com) serves as an official media platform of the organization in promoting its activities and programs. It was launched in 2009 but the banner remained unchanged since 2011.

The Committee on Public Relations (CoPR) came up with the idea of holding a contest aimed to create a new website banner aptly dubbed: "WEBSITE BANNER MAKING CONTEST". The contest started on March 19, 2019, attracting 10 entries during its one-month run. The judges composed of PICE Qatar BOD's and selected Council of Advisers had a hard time choosing a winner among equally artistic designs.

The winning entry was selected from a week-long selection process. It was a close majority win for the entry of Engr. Alden Cayaga. However, one of his design stood out because as exclaimed by President Helario Amoguis: *"The winning piece is simple and capturing the culture and iconic buildings of Qatar. It completely shows how Qatar is progressing its economy and culture. It is perfectly blended with light rays from the east side that could mean hope and prosperity to all."*

After the new website banner was unveiled, the writer is fortunate to have a short conversation with Engr. Alden and he has these to say:

On what inspired his winning entry: I do not really have any specific inspiration for the winning entry. What had driven me to join was the provision from the set of contest rules which gives the

contestant the freedom to express his/her creativity by allowing any digital means of editing as long as it complies with the minimum design parameters. And unlike a commissioned piece of work, all my banner designs which also includes the winning entry, cannot be subjected to any modifications since no waiver has been raised for such a condition.

On how long he completed his entries: What I did was to compose my seven entries successively, jumping back and forth to each design doing modifications. Let us just say, I made the winning entry in under 15 minutes since it took me around 90 minutes to finish all of them in one sitting. After which I sent the entries the same day with about 2 hours to spare before the contest deadline at midnight. What took most of my time was the gathering of high-resolution photos of sceneries in Qatar. Maybe I spent around 2 weeks searching for the right photos to be used as background images and with the proper resolutions.

Did you get bored waiting for the announcement of the winner? Engr. Alden said: "I actually thought the contest was already canceled since I was on vacation and I have not heard any news for more than a month since I submitted my entries. Although, it was rather unfortunate that the general membership did not get to see the winning banner design during the first announcement. Nonetheless, I was still quite happy after seeing one of my entry a week later and officially used as the chapter's website header. Finally, a

proper affirmation was issued which includes the winning banner design with my name flashed across the chapter's Facebook and Viber groups. Although others may think it might be already late of an announcement, for me the timing is just right enough."

His thoughts from his winning entry: From all the entries I had submitted, I wanted this banner to be unique and tweaked in such a way that it means a lot more than just a simple website banner design.

The background lines after the chapter's name have a hidden message which reads as "PICE QATAR" by using the standard font type for bar codes. I purposely italicized the text to indicate an action/movement that the Chapter is always moving forward... growing... evolving. It also adds to the depth of the image separating the chapter's name from the background scenery making it stand out more.

I also utilized the background scenery to my advantage by placing the chapter's logo at a convenient place which seems to convey that it is under the spotlight. Given that the chapter has received several international chapter awards from PICE National for two consecutive years, I am hopeful for a 3-peat, especially for the newsletter team.

Postscript: Special thanks to the CoPR, PRO Belinda Dela Cruz and CoPI Chairman Jerick for providing me with the details of the Website Banner Design contest.



Continued from Page 1.

**PICE Qatar 12th
Founding Anniversary
Celebration**

A week before the Qatar Chapter presidents prior to the celebration. The image below depicts the words of the chapter presidents from 2007 to 2019 as they described the chapter. The image was also used as descriptive words / memorable & commemorative sticker for the remarkable mementos from PICE special day.



PICE QATAR UPDATES

PICE Qatar Members Reaches 3,423

Russel Flores

The Committee on new members were accepted and Membership (CoME), 21 updated their dues. In addition, through Chairman Rogel Banal, discloses that the last membership number issued as of May 31, 2019 is 4,423. For the month of May, a total of 11

forwarded to CoLSA. The committee continued to call all members to update their dues in addition to encouraging other Filipino Civil Engineers to join the organization.

PICE QATAR UPDATES

“NON-STOP EXCELLENCE” – ENGR. BAQUIRAN, NEWLY AWARDED PICE FELLOW

Shielu Manantan

After favorable endorsement of the Membership Committee and subsequent approval by the PICE National Board of Directors, Engr. Roy L. Baquiran has been elevated to the status of PICE FELLOW May 27 of this year. The great news was delivered by the PICE National President Engr. Robert S. Licup, Ph.D. through an official letter. Engr. Baquiran is the first ever PICE Qatar member to attain this level of membership.

The newly awarded Fellows are set to be confirmed during the 2019 National Midyear Convention and Technical Conference during the Plenary session on June 13, 2019 at Davao City.

WHO IS THIS FELLOW?

Engr. Roy is one of the three approved candidates for the Philippine 2019 Most Outstanding Civil Engineer (MOCE), a graduate of Mindanao State University, Marawi City (1989). He completed his “Diploma in Biblical Studies” with the International Bible Institute in QICM (2010). He is currently a Senior Civil Structural Engineer at White Young Qatar W.L.L. - Qatar and he’s from the “Spring in the Highlands”, Kidapawan City, North Cotabato.

Together with humble character are the proud titles following his name:

Professional Affiliations:

- PICE Qatar Chapter – Founding President

- PICE Qatar Toastmasters Club – Charter President

- First Area Director of Area 52, Division Q – Toastmasters International (Qatar)

- Filipino Association of Materials Engineer – Adviser

- Philippine Technological Council – Deputy Adviser and Coordinator for Qatar

- Chartered Institute of Building – Intermediate Member

- American Society of Civil Engineers – Member

Professional Certifications:

- PRC Registered Civil Engineer

- Project Management and Construction Engineering Specialist

- Qatar Engineer Registry Certified Grade “A” (MME Engr.)

- ASEAN Engineer

- ASEAN Chartered Professional Engineer (ACPE)

- Asia - Pacific Economic Cooperation (APEC) Engineer

WHAT DOES IT TAKE TO BE A PICE FELLOW?

FELLOWS OF THE INSTITUTE – A Fellow must be a Regular Member in good standing and who has made a significant contribution to PICE and achieved eminence in any field of Civil Engineering in consonance with the objectives of the association; and



- must be a Regular Member of the Institute continuously for the last twenty (20) years immediately preceding his / her Nomination as Fellow; or

- had been at least a National Director or Officer of the Institute for two (2) terms not necessarily continuous, and had paid all his dues as Associate or Regular Member of PICE continuously for the last fifteen (15) years immediately preceding his / her nomination as Fellow; or

- had been a National President of the Institute or either of its predecessors for at least one (1) term and had paid all dues continuously for the last ten (10) years immediately preceding his / her nomination as Fellow; or

- had been a Chapter President for at least two (2) terms and had paid all dues continuously for at least ten (10) years immediately preceding his/her nomination as Fellow. (<http://pice.org.ph/fellow/>)

YOUR PICE QATAR FAMILY IS PROUD OF YOU!

TECHNICAL SECTION

Elvin Fajutagana

Project Management is Easy

The article is for anybody who wants to know about project management and those who are about to start or who has just started a bigger and intricate task that they used to do. You may have been given a project by your boss or maybe that you are embarking on something self-initiated and non-work-related such as building your new house. The list of possible project is endless and the common thing about these tasks is that they are complex and important. You want to complete these tasks successfully, competent and professional. However, you don't have inclination or to become a professional project manager. Don't worry, I will show that it is not necessary, because project management is easy.

If you have common sense and ability to make simple judgement, you can follow a series of steps and apply them in a structured way, then you can manage and complete a project successfully and enable you to become a successful project manager. The only secret to project management is getting the basics right.

How this is Done?

Project management, like most specialist fields, continue to grow in complexity. It has its own jargon, approaches, professional qualifications and societies. You do not need all of this for your task. The very specialist approaches are just useful special situations; most of the time you do not need them. You just need to know the step by step approach in project management. The steps are instantly helpful and takes you through the life of a project.

What are these Steps?

Step 1: Understand the Basics

Step 2: Define the "Why" and the "What"

Step 3: Create your Project Plan

Step 4: Manage Delivery

Step 5: Complete your Project

For the meantime, this article will cover Step 1 and the remaining steps will be explained in the next newsletter issues. This is just a partial view of project management.

So sit back, relax and let's start your project!

Step 1 Understand the Basics

This step covers a short explanation of some essential concepts used in project management.

Project management is full of jargons

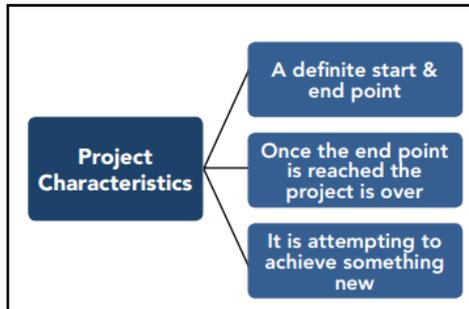
and concepts, many of which are unnecessary except for the largest and most complex of project. However, there is always basic terminology and some simple project management concepts which are helpful to understand and which will aid you in fulfilling your project.

There are seven parts of jargon that are helpful to comprehend, none of which is complicated, but you will have finished your first step by in becoming project manager by understanding them.

Step 1.1 What is a Project?

Project Management Institute (PMI) defined project as a temporary endeavor undertaken to create a unique product, service or result.

PRINCE2 described the project as a temporary organization formed to deliver one or more business products in accordance with an accepted Business Case.



Project have some or all of the following characteristics:

- They have a definite start and endpoint
- Once the endpoint has been reached the project is over
- They are attempting to achieve something new

Projects fulfil some clear pre-defined objective, in a planned period of time and to a planned cost. Once the project is complete something will have changed - for example, you have a new house, a new cellphone or a new product.

Step 1.2 What is Project Management and Your Role?

PMI defined project management as the application of knowledge, skills, tools and technique to project activities to meet project requirements.

H. Kerzner described it as

"the planning, organizing, directing and controlling of company resources for a comparatively short-term goal that was set to fulfill particular goals and objectives".

Your role as a project manager is to understand enough project management to apply its rigor and structure and ensure your project is successfully completed within the time and cost you require. The things you must do as a project manager are:

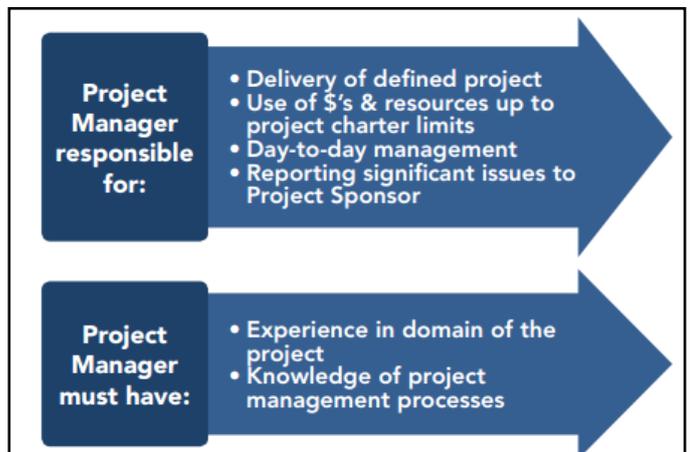
- Ensure that there is a clear understanding of why a project is being accomplished and what it will generate.
- Plan the project - understand how long it will take and how much it will cost.
- Manage the project - to ensure that as the project progress, it achieves the objectives you have defined within the time and cost specified.
- Complete the project properly - to make sure everything produced by the project is of quality expected and works required.

Step 1.3 The Project's Sponsor

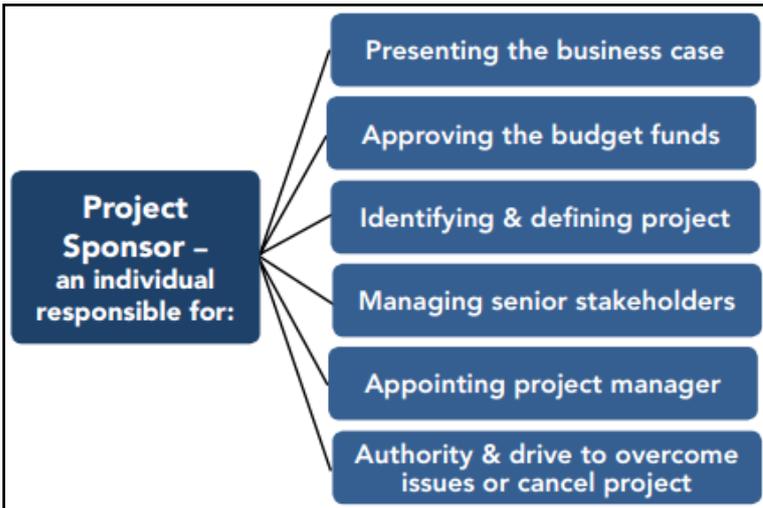
Every project is performed because someone wishes it to be accomplished. The person who wants it to be done is called the project sponsor. The sponsor maybe yourself, your boss at work, someone who buys products and services for you or anyone else you work for or with. The sponsor may be one person or a group of people.

The sponsor does not concern himself or herself with the day-to-day running of the project (that is the responsibility of the project manager), but represents the "buyer" of the project on behalf of the organization.

In project it is important to understand who is the project sponsor is and to work closely with them. Project sponsors have some specific



TECHNICAL SECTION



responsibilities in projects. They will be involved in identification and definition of the project and responsible in project's business case and should not hesitate to recommend cancellation of the project if the business case no longer justifies the project.

Step 1.4 The Project Team

The project you are about to handle will have a whole variety of duties to complete it. For a very small projects you may be both the project manager and the person who actually does all the tasks planned. For larger projects a number of people are collectively known as the project team and it is this team that you will be managing.

There is a distinction between managing people in a project team and the normal line management assignment. The individuals in the project team generally have a line manager for whom they work for on a daily basis. They are working for you on the project and they have other tasks to complete which are nothing to do with your project. When the project ends you may have nothing further to do with them. Even so, you need to be able to manage, motivate and direct the team. This requires you to have a clear understanding of what you need to do in respect of the specific project you are managing and how much time they should spend on the project. Critically, you also need to make sure they are spending this time working on your project and not doing other tasks for their normal manager.

The starting point to make this work is to discuss this with each team member's normal manager and agree that the team member will be available for the project and under your management control while they are working on it.

Step 1.5 Delivery and Deliverables

There is a term that project managers and individuals who are frequently engaged in projects use all the time; it is delivery. Delivery in the context of projects merely implies doing the stuff you set out to do. Therefore, your job as a project manager is to deliver the

project.

Delivery is a useful piece of jargon as it saves having to write "completing the project to the expected time and cost with the desired outcome" again and again!

Deliverables are what is delivered by a project - so taking examples above, the deliverables from the respective

projects are a new house, a new cellphone or a new product. In a project the deliverables wanted are defined at the start of the project and your success as a project manager is in delivering them in the planned time and to the expected cost.

Step 1.6 The Five Dimensions of a Project Scope, Quality, Time, Cost and Risk

Imagine a very simple project - you are going to redecorate your living room in your house. So you sit down and do some thinking about this decorating and decide that you will use three coats of paint on every wall. You do some sums and find out that the paint will cost you PHP 5,000 and it will take you three days using normal paint brush. A friend of yours has a machine that can spray the walls in much quicker. Unfortunately, it does not always works and is not reliable to spray paint all over the place, including any uncovered furniture, so you choose not to use it. The information here has defined some important things about your project:

- You have defined the scope. To paint the living room.
- You have defined the quality. You have decided to use three coats of paint on the walls. Quality can be a nebulous but important concept. Other example of quality could be how robust or reliable a deliverable is, or how well presented a deliverable is.
- You know the time it will take - three days.
- You know the cost - PHP 5,000.
- You know the level of risk you want to take - you choose the low-risk method (painting by hand). There is an alternative high-risk option of doing it with spray painting machine, you may do the work more fast, but there are risks to your furniture and it may not work.

At this stage you may be thinking - so

what? The "so what" is that these five pieces of information are not independent facts but interdependent variables. Change any one of these and you may impact the others. So for example, change your scope to include your hall to be painted as well and you will increase the time and cost. However, if you subsequently reduce quality, so you use only two coats of paint on the walls or alternatively take the risky option and use your friend's spraying machine, you may still be able to do it in the original time and cost but with the increased scope. Alternatively, by spending more money and getting in a couple professional decorators, you may be able to reduce the time and increase the quality of the end result. There are a vast number of ways you can juggle between these five dimensions of our project.

Once you understand these five dimensions, you can trade them off to get the optimal result you need.

Step 1.7 The Stages of a Project - a Lifecycle

Every project in its development goes through different stages. These stages vary depending on the type of project. For example, a project to build a new house has different stages compared to a project to build a new car. However, at a generic level project must go through common steps such as:

- Specifying in detail what the project is for or project initiation.
- Planning the project and working out how it will be done or project planning.
- Doing the project and creating and checking the deliverables according to the plan or Project Execution.
- Closing the project down or project closing.

You now know as much as you need to get started. You are ready to adopt the role of project manager and begin to deliver your project.

Steps 2 to 5 will be explained in the next newsletter issue, so sit back and relax!

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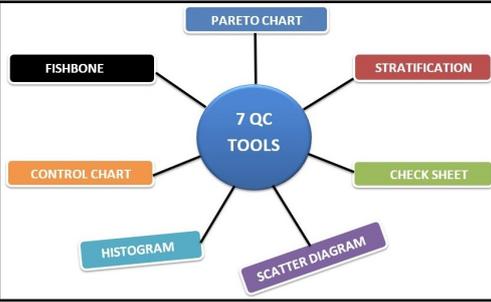
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Seven Basic Tools in Quality

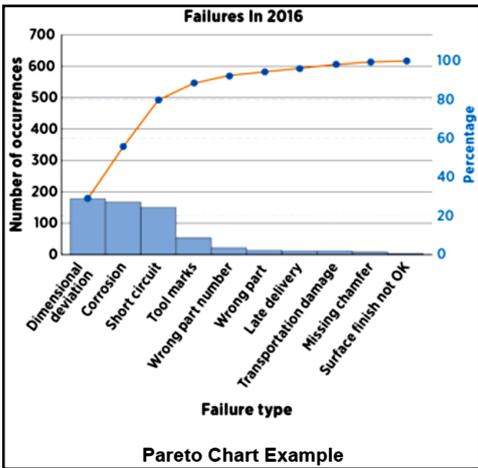


A continuation from April 2019 Issue.



5. What is a Pareto Chart? Also called: Pareto diagram or Pareto analysis. Variations: weighted Pareto chart, comparative Pareto charts. A Pareto chart is a bar graph.

The lengths of the bars represent frequency or value (time or money) and are to be organized with the longest bars on the left and also the shortest to the right.



When to Use a Pareto Chart

- When analyzing the information concerning the frequency of the issues or causes in the process.
- When there are several issues or causes and you would like to emphasize the foremost important.
- When analyzing the broad causes by checking their specific elements.
- When communicating with others about your data.

How to Make a Pareto Chart

- Analyze the occurrences of up to 10 (ten) defects. Start by entering the defects on the check sheet.
- This tool creates a Pareto chart utilizing the information you enter.

Pareto Chart Procedure

1. Decide what are the categories you will use to group items.
2. Decide what are the measurement is appropriate. Common measurements are frequency, quantity, cost and time.

3. Decide what are the period of time the Pareto chart will cover: One work cycle? One full day? A week?

4. Collect the data, recording the category each time, or assemble data that already exist.

5. Subtotal the measurements for each category.

6. Determine the applicable scale for the measurements you have collected. The maximum price is the biggest subtotal from step five. (If you'll do elective steps eight and nine below, the maximum value will be the sum of all subtotals from step 5.) Mark the scale on the left side of the chart.

7. Construct and label bars for each category. Place the tallest at the left, then the next tallest to its right and so on. If there are several classes with tiny measurements, they can be grouped as "other."

Note: Steps 8 (eight) and 9 (nine) are optional however these will be helpful for analysis and communication.

8. Calculate the percentage of each category: the subtotal of that category divided by the total for all categories. Draw the right vertical axis and label it with percentages. Be sure the 2 (two) scales match: for example, the left measurement that corresponds to one-half should be exactly opposite 50% on the right scale.

9. Calculate and draw cumulative sums: Add the subtotals for the first and second categories, and place a dot above the second bar indicating that sum. To that sum add the subtotal for the third category, and place a dot above the third bar for that new sum. Continue the process for all the bars. Connect the dots, beginning at the highest of the first bar. The last dot ought to reach 100% on the proper scale.

6. What is a Scatter Diagram or Plot? Also called: scatter plot, X-Y graph.

The scatter diagram graphs pairs of numerical information, with one variable on every axis, to appear for a relationship between them. If the variables are correlative, the points can fall on a line or curve. The better the correlation, the tighter the points can hug the road. This cause analysis tool is taken into account is one amongst the seven basic quality tools.

When to Use a Scatter Diagram.

- When you have paired numerical data.
- When your dependent variable might have multiple values for every value of your independent variable.
- When attempting to work out whether or not the 2 (two) variables are associated, such as:
- When attempting to spot potential root causes of issues.

⇒ When conceptualizing causes and effects employing a fishbone diagram, to work out objectively whether or not a

specific cause and result are associated.

⇒ When deciding whether or not the two effects that seem to be associated both occur with an equivalent cause.

⇒ When the testing for autocorrelation before constructing a control chart.

Scatter Diagram Procedure.

1. Collect pairs of information wherever a relationship is suspected.

2. Draw a graph with the variable on the horizontal axis and therefore the variable quantity on the vertical axis. For each combination of information, put a dot or a symbol where the x-axis value intersects the y-axis value. (If 2 dots fall along, put them side by side, touching, so that you can see both.)

3. inspect the pattern of points to visualize if a relationship is clear. If the information clearly kind of a line or a curve, you may stop because variables are correlated. You may wish to use regression or correlation analysis now. Otherwise, complete steps 4 through 7.

4. Divide the points on the graph into four quadrants. If there are X points on the graph, Count X/2 points from prime to bottom and then draw a horizontal line.

Count X/2 points from left to right and then draw a vertical line.

If a variety of points is odd, draw the line through the middle point.

5. Count the points in each quadrant. Do not count points on a line.

6. Add the diagonally opposite quadrants. Find the smaller add and therefore the total of points all told quadrants.

A = points in higher left + points in lower right

B = points in higher right + points in lower left

Q = the smaller of A and B

N = A + B

7. Search the limit for N on the trend take a look at the **Table 5.18.**

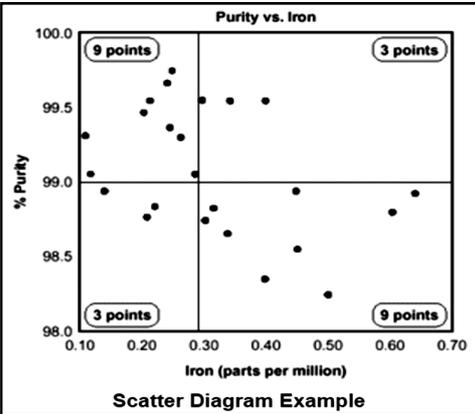
N	Limit	N	Limit
1-8	0	51-53	18
9-11	1	54-55	19
12-14	2	56-57	20
15-16	3	58-60	21
17-19	4	61-62	22
20-22	5	63-64	23
23-24	6	65-66	24
25-27	7	67-69	25
28-29	8	70-71	26
30-32	9	72-73	27
33-34	10	74-76	28
35-36	11	77-78	29
37-39	12	79-80	30
40-41	13	81-82	31
42-43	14	83-85	32
44-46	15	86-87	33
47-48	16	88-89	34
49-50	17	90	35



Quality, Health, Safety & Environment

- If Q is a smaller amount than the limit, the 2 variables are connected.
- If Q is larger than or adequate to the limit, the pattern might have occurred from random probability.

Scatter Diagram Examples



Below are some of the samples of instances within which would possibly utilize a scatter diagram:

- When Variable A is the temperature of a reaction after 15 minutes. Variable B measures the color of the product. You suspect a higher temperature makes the product darker. Plot temperature and color on a scatter diagram.
- When Variable A is the number of employees trained on new software, and variable B is the number of calls to the computer helpline. You suspect that a lot of practice reduces the number of calls. Plot the number of individuals trained versus the number of calls.
- To check the autocorrelation of measurement being observed on a control chart, plot this pair of variables: Variable A is the measurement at a given time. Variable B is that the same amount of measurement, but at the previous time. If the scatter diagram shows correlation, do another diagram wherever variable B is that the measurement two times from the previous one. Keep increasing the separation between the 2 times until the scatter diagram shows no correlation.

Scatter Diagram Considerations

- Even if the scatter diagram will show a relationship, do not assume that one variable caused the other. Both may be influenced by a third variable.
- When the data are being plotted, the more the diagram resembles a straight line, the stronger the relationship.
- If a line is not clear, statistics (N and Q) determine whether there is reasonable certainty that a relationship exists. If the statistics say that no relationship exists, the pattern may have occurred by random probability.
- If the scatter diagram will show no relationship between the variables, consider whether the data might be stratified.
- If the diagram will show no relationship, consider whether the independent (x-axis) variable has been varied widely.

Sometimes a relationship is not apparent because the data do not cover a wide enough range.

7. What is Stratification?

Stratification is being defined as the act of sorting information, individuals, and objects into distinct classifications layers.

It is a method utilizing a combination with different information about analysis tools.

When the information from a range of sources or classes is lumped together, the connotation of the information are often troublesome to visualize.

This information assortment and analysis technique separate the information in order that patterns will be seen and is taken into account one among the seven basic quality tools.

When to Use Stratification.

- Before collecting data.
- When information comes back from many sources or conditions, like shifts, days of the week, suppliers or population organization.
- When the information analysis might need separating totally different sources or conditions.

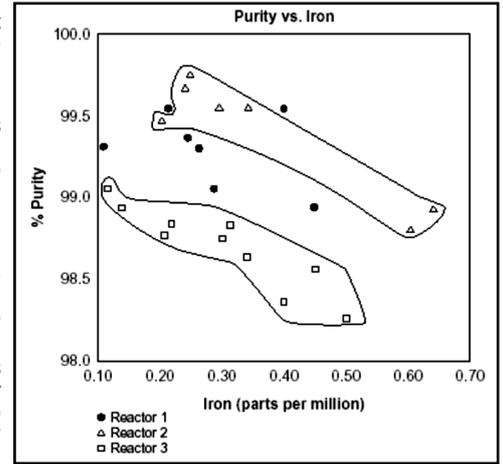
Here are some of the examples of different sources that might require data to be stratified:

- Equipment
- Shifts
- Departments
- Materials
- Suppliers
- Day of the week
- Time of day
- Products

Stratification Procedure

1. Before gathering the information, which information about the sources of the data might have an effect on the results. Set up the information gathering so you can gather that information moreover.
2. During the plotting or graphing the collected knowledge on a scatter diagram, management chart, bar graph or alternative analysis tool, use totally different marks or colors to differentiate knowledge from varied sources. Data that square measure distinguished during this approach square measure the same to be "stratified."
3. Analyze the subsets of stratified data separately.

For example, on a scatter diagram wherever knowledge square measure stratified into knowledge from supply 1 (one) and information from supply 2 (two), draw quadrants, count points and determine the critical value only for the info from supply 1 (one), then just for the info from supply 2 (two).



Stratification Example.

The ZZ-400 production team sketched a scatter diagram to check whether or not product purity and iron contamination were connected, however, the plot failed to demonstrate a relationship. Then a team member realized that the data came from 3 (three) different reactors. The team member re-sketched the diagram, using another symbol for each reactor's data:

Now patterns can be seen. The data from reactor two and reactor three are circled. Even while not doing any calculations, it's clear that for those 2 (two) reactors, purity decreases as the iron will increase. However, the information from reactor 1 (one), the solid dots that are not circled, do not show that relationship. Something is different about reactor 1(one).

Stratification Analysis Considerations.

- Survey data usually benefit from stratification.
- Always contemplate before gathering the information whether or not stratification may be required throughout the analysis. Plan to collect stratification information.
- On your graph or chart, add a legend that identifies the marks or the colors being used.

Sources:

- https://en.wikipedia.org/wiki/Seven_basic_tools_of_quality
- <https://asq.org/quality-resources/seven-basic-quality-tools>
- <https://asq.org/quality-resources/fishbone>
- <https://asq.org/quality-resources/check-sheet>
- <https://asq.org/quality-resources/control-chart>
- <https://asq.org/quality-resources/histogram>
- <https://asq.org/quality-resources/pareto>
- <https://asq.org/quality-resources/scatter-diagram>
- <https://asq.org/quality-resources/stratification>

7 Basic Quality Tools

C&E Diagram

Check Sheet

Control Charts

Histogram

Pareto Chart

Scatter Diagram

Stratification

NOW PHILIPPINES

Luisito Carlos

Apostille Convention on Authentication of Documents

According to Oxford dictionaries, an apostille is a legal certification that makes a document from one country valid in another (provided that both are signatories to the Hague Convention Abolishing the Requirements for Legalization of Foreign Public Documents (Oxford Dictionaries).

Filipinos are spending a significant amount of time in authenticating public documents like birth certificate marriage certificate, NBI certificate, school credentials (Diplomas and TORs), professional board certificates which are required for employment or immigration.

Hence on 07 May 2019, The Department of Foreign Affairs (DFA) – Office of Consular Affairs issued a public advisory that it will no longer issue Authentication Certificates or the so-called Red Ribbon from 14 May 2019. Instead, the DFA will affix an Apostille to documents for use abroad as proof of authentication for use in Apostille-Contracting parties.

After authentication by the DFA, there is no more need for authentication (legalization) by the concerned Foreign Embassies for Consulate Generals if the country or territory of destination of the authenticated document is

already a member of the Apostille Convention.

Public documents executed in Apostille-contracting countries and territories (except for Austria, Finland, Germany and Greece) to be used in the Philippines no longer have to be authenticated by the Philippine Embassy or Consulate General once apostilled.

However, in countries which are not Apostille-Contracting parties, the previous process of authentication applies. Documents still have to be authenticated by the Philippine Embassy or Consulate General before they can be used in the Philippines. Also, there is still a need for authentication (legalization) by the concerned Foreign Embassies for Consulates General if the country of destination of the authenticated document is not yet a member of the Apostille Convention.

Authentication fees will remain at Php100 (regular processing) and Php200 (expedited processing) per document.

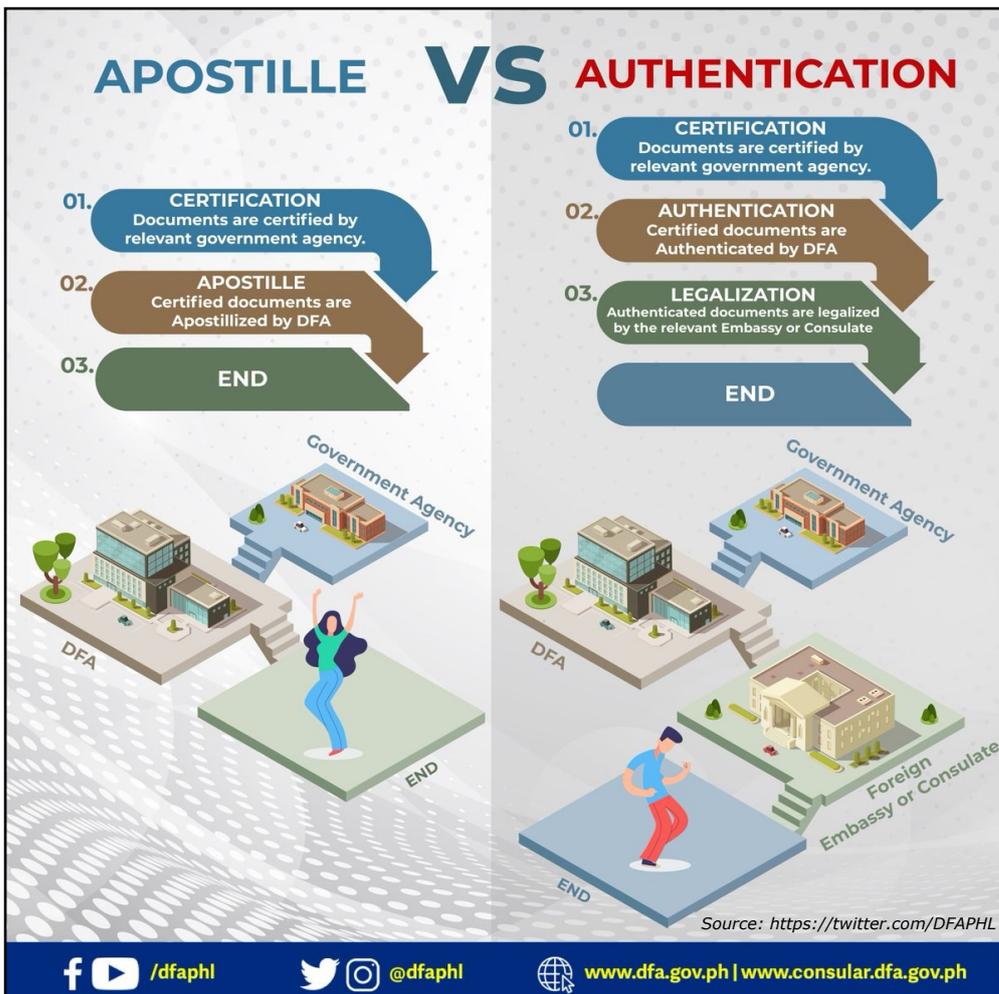
Apostille Convention of authentication of documents takes effect in the Philippine on 14 May 2019.

For the updated list of Apostille-contracting parties, please visit this link:

<https://www.hcch.net/en/instruments/conventions/status-table/?cid=41>

Source/s:

<https://www.dfa.gov.ph/dfa-news/statements-and-advisoriesupdate>



NOW PHILIPPINES

Luisito Carlos

How PICE Qatar Sustained and Changed the Life of its BuSU Scholar?

PICE Qatar under the auspices of Support Programs and Events Committee for Students (SPECS) and as part of its responsibilities has launched its first scholarship programs in 2017. Under this scholarship program, one of the benefactors is the Bulacan State University (BuSU) and the committee had carefully chosen Mr. Robert Tanyag Jr. as one of the scholars of PICE Qatar.

The program started in the 2nd Semester of Academic Year 2017-2018 and providing him the financial assistance to sustain and continue his studies.

Since the implementation of RA 10931 or the Universal Access to Quality Tertiary Education, the tuition fee in college is now free. Hence, the burden of parents and students in obtaining college education has now decreased but there are other expenses that these students are facing (transportation, foods, books, projects, educational field trips, etc.) which could be a deterrent in continuing their college education. To address this problem, PICE Qatar has introduced its first scholarship program and in one way or the other will boost the spirit and determination of any student to complete his college education.

Before the implementation of the government's free education law, Mr. Tanyag is always struggling especially during and every start of the semester wherein he needs to find the resources to finance his education from tuition fees, school supplies, books, manuals, and other school requirements. The situation even worse when her

grandmother suffered a stroke and was confined for two (2) weeks and needs to pay the bills and the budget for the maintenance medicines. At this point, his college education is in the brink of being halted and their resources were diverted to his grandmother's medical needs.

Luckily, the financial assistance being provided by PICE Qatar did not only sustain his needs in the schools and not worrying anymore in finding resources for his school requirements but even more, the financial assistance does not only provide for his school needs but for his family as well where part of the money helps in one way or the other to sustain his grandmother's maintenance medicines that helps her to recover from stroke. PICE Qatar is not only changing the lives of our scholar but in the process of his family as well.

The scholarship has made him realized how lucky and privileged he was. This realization and opportunity have made him want to serve other students and society in return.

To achieve his goal, he joined the Stand BuSU, a student government body that occupies the seat of the Student Regent in the university. He was one of the selected students who participated in the election and has won and now serving as one of the seven senators. He's holding the Committee on Sports and Athletics Committee, the committee focuses on serving the student-athletes and cultural performers of the university and to use the sports to promote health, fitness, and unity among the students of BuSU.

His dedication to serving does not dwell alone in the school but to the community as well. He is also part of the conduct of community outreach programs and in sending donations to fewer privilege people outside the school.

Some of the benefactors of the outreach program are the residents of Taliptip, Bulakan, Bulacan whose houses were demolished due to the construction of Aetropolis and the residents of Obando, Bulacan who were hit by fire in March 2019.

Mr. Tanyag is also part of a spiritual group, Elevate BuSU, which aims to help students in their daily struggles by using God's words and to remind them that nothing is impossible with God and by spreading the word of God in all premises of the university.

Through PICE Qatar Scholarship, Mr. Tanyag is no longer worrying where to find resources for his school needs and now has more time to focus on his studies and complete his college education.

This opportunity, I believe, has been very instrumental in developing and shaping his personality and his desire to help others.

Mr. Tanyag is very grateful to PICE Qatar for the opportunity and the way it has impacted his life and his family as well.

Source/s:

Interview with Mr. Roberto L. Tanyag Jr. on 09 June 2019.

SPORTS CORNER

Russel Flores

Henry Maglasang and Fatima Nacario Topped Table Tennis Tournament



Photo Credits: Johnson Sanchez



Photo Credits: Johnson Sanchez

Henry Maglasang (Top photo middle) and Fatima Nacario (Bottom photo middle) bested other paddlers in their respective divisions in the Table Tennis tournament held at the Qatar Bowling Center on May 24, 2019. The tournament is part of the myriad of sporting events during the Foundation Day celebration of PICE Qatar.

For the men's division, 20 participants played in three simultaneous knock-out format stage grouping. The champions for each group in round 1 will advance automatically to the quarterfinals. Past champions - Alan Nacario and Aushford Acera were given byes and seeded in the quarterfinals.

After several exciting matches, Engr. Emilio Manalo, John

Tanafranca and Engr. Henry Maglasang topped Groups A, B and C respectively. Losing finalist in the group stages were seeded to play in the 3rd round.

The other losing paddlers were set to play in two more rounds to determine the wildcards in the quarterfinal stages. In the 2nd Round, Engrs. Allen Nacario and Reniel Mosada advance to join Engrs. Noel Jumawan, Jerick Lising, Winston Tidalgo, Elvin Fajutagana, Roel Monilla, and Eman Boceta. The players played

in knockout matches with the top 3 advancing to the quarterfinals. Round 3 winners are as follows: Engrs. Roel Monilla, Eman Boceta, and Bernard De Vera.

In the final eight, Alan Nacario bested Emil Manalo, Henry Maglasang surprised the former champ with a win over former Champ Roel Monilla, The prodigy - John Tanafranca won a technical match against the experienced Eman Boceta, and finally, Aushford Acera won via default to enter the final four.

The Semifinal matches were played simultaneously with Alan-Henry on one table and the other pitting Ausford with John. Ex-champ Acera still reigns supreme over the young Tanafranca with 3 sets to 1 win. Meanwhile, Alan Nacario retires in

his match against the newcomer due to chest muscle strain.

In the championship match, Henry Maglasang continued to show his good form as he paddled to straight sets victory of 11-5, 11-7 and 11-5 to bag the Men's crown.

On the distaff side, the eight participants played in a knockout format round with the top placer advancing directly to the finals. Vanessa earned the honors while Victoria Nacario took a bye in the semi-final round.

The remaining players played another set of knockout games to determine the winner from the loser's bracket and advance to the semis. The baby faced Jhenevie Maurera bested the angelic Angeliz Ebarle while Susana Nacario suffered a loss to her youngest daughter Fatima who eventually topped round 2.

In the Semis, the younger Nacario, Fatima subdued her sister Victoria to advance to the finals.

The final match proved to be very close with each paddlers winning alternately. Vanessa took sets 1 and 3 with 11-5, 11-6 win. However, Fatima took enough courage to take the 4th set 11-7 to set up a deciding 5th set. In the final set, Fatima Nacario continued her form to win 11-8 thereby becoming the youngest champion.



FAME Qatar New Board of Directors

Belinda Dela Cruz

The Filipino Association of Materials Engineers – Qatar (FAME-Q) held their 1st General Assembly coinciding with the event was the election of Board of Directors and their subsequent induction last May 3, 2019 at Warwick Doha Hotel.

The event that was sponsored by ACES, JC Premiere, FPEA and PICE Qatar Chapter represented by 2nd VP Elvin D. Fajutagana.

Newly inducted Board of Directors for 2019-2020 were Engr. Edgar F. Domingcil (President), Engr. Russel F. Flores (1st VP), Engr. Ruel N. Reyes (2nd VP), Engr. Belinda E. dela Cruz (Secretary), Engr. Jennit R. Diaz (Treasurer), Engr. Alvin M. Pantoja (Auditor), Engr. Arman A. Tolentino (Business Manager), Engr. Ellezer Jayoma (PRO) and Engr. Aldrin C. Barde (Sgt. At Arms).



May 3, 2019—FAME Qatar 1st General Assembly

PPO-Q CORNER

THEME: PPO Sportfest Promoting Camaraderie, Inspiring Synergy.

VENUE: AL ARAB INTERNATIONAL ACADEMY

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TEAM	WIN	LOSS	PTS
PSME	2	0	4
FILRAQ	1	1	3
GEP-Q	1	1	3
PICPA	1	0	2
IIEE	1	0	2
FIL-ARPQ	0	2	2
IECEP-Q	0	1	1
UAP-QAC	0	1	1
PNAQ	0	0	0
PICE	0	0	0

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OUTSIDE HITTER

Russel Flores

This is War!

"Figure out what your legacy to be..." a line from the movie Parabellum (John Wick).

There is a thin line separating a good and bad decision; where one is fired up to win and another being consumed by the will to win.

When some triumphs against insurmountable odds, people rejoice but when others win with a cloud of doubt, many will look away. When some lead with respect, many will follow without any doubt; when others strive for attention and lead by a whip,

many will grow tired and may build tension.

We are living in a society where we follow rules and norms; how we are remembered by our peers – only time will tell. We may soar the sky like that of the legendary Michael Jordan or make others eat our dust like Ayrton Senna. Legends who can stand the test of time.

However, we can also play like Lebron who can win championships when pairs with superstar teammates of Lance Armstrong who became more legendary with his doping scandal rather than his Tour de France triumphs.

Winning is not only about beating others but how one

wins without compromising what is right. We must always remember that respect is sweeter than intimidation!

If some wins based on a set of rules then others should never nullify the win based on whims. Between winning and whining, it's a choice we all have to make.

"The battlefield is a scene of constant Chaos. The winner will be the one who controls that chaos – both his own and the enemies" Napoleon Bonaparte.

As the ball is set, let's hit it but remember – **sports lang dapat!**

POTPOURRI

X	A	D	Y	R	B	L	U	E	L	J	E	R	M	P
H	V	O	E	L	X	U	X	H	M	I	C	X	E	U
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T	W	E	L	V	E	R	M	R	O	N	Y	E	J	O
S	O	R	A	N	G	E	D	E	T	H	I	N	G	S

FILL IN THE CODE
 by Alden P. Cayaga



05.25
2007-2019



COLORS OF FOUNDATION DAY

by Belinda E. Dela Cruz

"Happiness is more than doing fun things. It's about doing meaningful things."



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